

**Abstract of the Disclosure**

Bit error rate or bit error probability of a received  
signal of a wireless telecommunication system is estimated,  
5 wherein a channel impulse response is estimated from the  
received signal, and the received signal is subjected to a  
channel equalizing operation performed on the basis of time  
statistics derived from the channel impulse response.  
Additionally, adaptive reference time domain  
10 characteristics are calculated from a weighting information  
obtained from the channel impulse response estimation that  
may be used to perform a reference channel equalizing  
operation for obtaining an additional output signal to be  
compared with the output signal of the channel equalizing  
15 operation so as to determine an estimation of the bit error  
rate based on the detected difference.

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